Fraser Brooks
M.Sci Computer Science Graduate

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Education

- **University of Birmingham** . . . . Birmingham, UK
  M.Sci Computer Science (1st class, 4.0 GPA)   2021

- **Strode College, Street** . . . . Somerset, UK
  A-Level Maths (A), Software Engineering Extended Diploma (D*D*D*)   2016

Projects / Technical Experience

Java, Haskell, Python, C++	OOP and Functional Programming	git & Version Control
Automated Testing	SQL / Relational Databases	LaTeX (LaTeX)
Web Design & Graphic Design	HTML5/CSS/JavaScript	AWS

- Submitted and merged a patch into a large scale open-source software project — the Haskell master branch. Specifically a bugfix, with integration test, for the cabal-install build automation & package management tool.

- Years of experience with Java & Object Oriented Programming through writting a messaging system, a multiplayer game that was hosted on an AWS EC2 instnace, as well as several android apps.

- Python experience via some simple games written with the pygame library and a machine learning project.

- Designed a portfolio site/blog using a Haskell site generator, HTML5, SCSS, & JavaScript, with automatic compilation & delivery of posts to the site from .latex or .md files. Live at fraserbrooks.io via AWS amplify.

Work Experience

University of Birmingham, School of Comp. Sci. - Lab Demonstrator   . . 2019–20
Worked as a demonstator assisting lecturers with teaching duties in the databases (2018-19) and functional programming (2019-20) courses; guiding lower year students through the course material during lab sessions.

Specsavers - Optical Assistant   2016
Duties included customer service, conducting simple eye tests, and coordinating with colleagues to meet sales targets. Gained a lot of experience engaging with and selling to customers.

Samsung - Sales Consultant 2015
Consistently met sales targets via negotiating with management to gain incremental sales opportunities.

University of Birmingham, Jiu-Jitsu Club - Secretary then Captain   2019–21
Elected secretary then captain of the university Jiu-Jitsu club. Responsibilities across these two years included risk assessments, overseeing recruitment, budget, and our social media strategy, and organising and encouraging our club's participiation in several national competitions — as well as competing myself.